

Agricultural Marketing Service, USDA

§51.1575

TABLE VII—INTERNAL DEFECTS—Continued

Defects	Damage Maximum Allowed	Serious Damage Maximum Allowed
Occurring entirely within the vascular ring		
Hollow Heart or Hollow Heart with Discoloration.	Area affected not to exceed that of a circle ½ inch in diameter in a potato 2½-inches in diameter or 6 ounces in weight. ¹	Area affected not to exceed that of a circle ¾ inch in diameter in a potato 2½-inches in diameter or 6 ounces in weight. ¹
Light Brown Discoloration (Brown Center).	Area affected not to exceed that of a circle ½ inch in diameter in a potato 2½ inches in diameter or 6 ounces in weight. ¹	Area affected not to exceed that of a circle ¾ inch in diameter in a potato 2½ inches in diameter or 6 ounces in weight. ¹

TABLE VII—INTERNAL DEFECTS—Continued

Defects	Damage Maximum Allowed	Serious Damage Maximum Allowed
Occurring entirely within the vascular ring		
Internal Brown Spot and Similar Discoloration (Heat Necrosis).	Not more than the equivalent of 3 scattered spots ⅛ inch in diameter in a potato 2½-inches in diameter or 6 ounces in weight. ¹	Not more than the equivalent of 6 scattered spots ⅛ inch in diameter in a potato 2½-inches in diameter or 6 ounces in weight. ¹

¹Note: Correspondingly lesser or greater areas in smaller or larger potatoes.

[35 FR 18258, Dec. 1, 1970. Redesignated at 42 FR 32514, June 27, 1977, and further redesignated at 46 FR 63203, Dec. 31, 1981; amended at 56 FR 7553, Feb. 25, 1991; 56 FR 10302, Mar. 11, 1991; 73 FR 15058, Mar. 21, 2008 ; 73 FR 70586, Nov. 21, 2008; 76 FR 31789, June 2, 2011]

METRIC CONVERSION TABLE

§ 51.1566 Metric conversion table.

Inches	Millimeters (mm)
⅛ equals	3.2
¼ equals	6.4
½ equals	12.7
¾ equals	19.1
1 equals	25.4
1½ equals	38.1
2 equals	50.8
2½ equals	63.5
3 equals	76.2
3½ equals	88.9
4 equals	101.6
4½ equals	114.3

Ounces	Grams
1 equals	28.35
4 equals	113.40
5 equals	141.75
6 equals	170.10
7 equals	198.45
8 equals	226.80
9 equals	255.15
10 equals	283.50
12 equals	340.20
14 equals	396.90
16 equals	453.60
18 equals	510.30
19 equals	538.60
20 equals	567.00

Subpart—United States Consumer Standards for Potatoes

SOURCE: 18 FR 7132, Nov. 11, 1953, unless otherwise noted. Redesignated at 42 FR 32514, June 27, 1977, and further redesignated at 46 FR 63203, Dec. 31, 1981.

GRADES

§ 51.1575 U.S. Grade A Small; U.S. Grade A Medium; U.S. Grade A Medium to Large; U.S. Grade A Large.

Potatoes of each of these grades shall be of one variety or similar varietal characteristics which are fairly well shaped, fairly clean, free from freezing injury, blackheart, late blight, and soft rot or wet breakdown, and from damage caused by sunburn, second growth, growth cracks, air cracks, hollowheart, internal discoloration, cuts, shriveling, sprouting, scab, dry rot, rhizoctonia, other diseases, wireworm, other insects, or mechanical or other means. Potatoes of these grades shall also be mature: *Provided*, That potatoes which are not mature and the outer skin loosens or “feathers” readily under the usual handling practices need not meet this requirement if they are firm and are further designated as “Early” in

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connection with the grade, as for example "U.S. Grade A Medium-Early." Potatoes on the shown face shall be reasonably representative in size and quality of the contents of the containers. (See §51.1577.)

(a) *Tolerances.* Incident to proper grading and handling, except for the tolerances for size, not more than a total of 5 percent, by weight, of the potatoes in any lot may fail to meet the requirements of the grade, including not more than 1 percent for potatoes affected by soft rot or wet breakdown. (See §51.1579.)

§51.1576 U.S. Grade B Small; U.S. Grade B Medium; U.S. Grade B Medium to Large; U.S. Grade B Large.

Potatoes of each of these grades shall meet the requirements for U.S. Grade A Small; U.S. Grade A Medium; U.S. Grade A Medium to Large; and U.S. Grade A Large, except for the increased tolerance for defects specified below. (See §51.1577.)

(a) *Tolerances.* Incident to proper grading and handling, except for the tolerance for size, not more than a total of 20 percent, by weight, of the potatoes in any lot may fail to meet the requirements of the grade, but not more than 5 percent shall be allowed

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for potatoes which are seriously damaged by any cause, including not more than 1 percent for potatoes affected by soft rot or wet breakdown. (See §51.1579.)

SIZE

§51.1577 Size range requirements.

In addition to the quality requirements specified for the above grades, potatoes shall also meet the requirements for minimum and maximum diameter or weight, and the tolerances as specified for the various grades in the table appearing in this section. Potatoes specified as meeting one of the grades may be of any size within its size range requirements, except that it is not permissible to specify a lot as "U.S. Grade A Medium to Large," or "U.S. Grade B Medium to Large," unless more than 15 percent, by weight, of the potatoes are larger than the maximum size required for U.S. Grade A Medium, or U.S. Grade B Medium, respectively. For example, a lot of round or intermediate-shaped potatoes to be specified as "U.S. Grade A Medium to Large" must have more than 15 percent, by weight, of potatoes from 3 to 4 inches in diameter.

Grades	Size range requirements, round or intermediate shaped varieties		Size range requirements, long varieties		Tolerance for size	
	Minimum diameter (Inches)	Maximum diameter (Inches)	Minimum diam. or wt.	Maximum weight (Ounces)	Under-size (Percent)	Over-size (Percent)
U.S. Grades A & B small	1½	2¼	1½ inches	4	3	15
U.S. Grades A & B medium	2¼	3	4 ounces	10	5	15
U.S. Grades A & B medium to large	2¼	4	4 ounces	16	5	15
U.S. Grades A & B large	3	4	10 ounces	16	5	15

OFF-GRADE

§51.1578 Off-Grade potatoes.

Potatoes which fail to meet the requirements of any of the foregoing grades shall be Off-Grade potatoes.

APPLICATION OF TOLERANCES

§51.1579 Application of tolerances to individual containers.

(a) Based on sample inspection, the contents of individual containers in the lot are subject to the following limitations: *Provided*, That the averages for the entire lot are within the tolerances specified for the grade: